

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	What is the formula of asbestos?	A. CaMg ₃ (SiO ₃) ₄ B. CaSiO ₃ C. Na ₂ SiO ₃ D. Mg ₃ H ₂ (SiO ₃
2	Half life period of N_2O_5 is 24 minutes and it remains same where we increase or decrease its initial concentration, then reactions	A. Zero order B. First order C. Second order D. Third order
3	Strong oxidizing agents have	A. Greater positive value of standard reduction potential B. Lesser positive value of standard C. Greater negative value of standard D. None of these
4	Which has sweetish taste?	A. N ₂ O B. NH ₃ C. Cl ₂ D. CO ₂
5	A compound contains one atom of oxygen and % of O 34.78, then molecular mass of compound is	A. 46 B. 78 C. 110 D. 180
6	The molarity of the solution containing x grams (NH ₄) $_2$ SO $_4$ in 500 cm 3 of the solution is 0.6 what is x	A. 39.6 B. 45.1 C. 40.5 D. 42.7
7	The four bonds of carbon in methane are directed towards the corners of	A. Cube B. Pentagon C. Hexagon D. Tetrahedron
8	Reaction of ethylamine with chloroform in alcoholic KOH produces	A. CH ₃ OH B. CH ₃ NC C. C ₂ H ₅ NC D. C ₂ H ₅ CN
9	Heat absorbed or released during the chemical reaction of physical process at constant pressure is equal to	
10	Acetamide is prepared by	A. Heating ammonium acetate B. Heating methyl cyanide C. Heating ethyl acetate D. The hydrolysis of methyl cyanide
11	The reactivity order of alkyl halides for a particular alkyl group is:	A. F >Cl>Br>I B. Cl>Br>F>I C. l>Br>Cl>F D. Br>l>Cl>F
12	The nature of positive rays depend on:	A. Nature of discharge tube.B. Nature of resident gas.C. Nature of electrode.D. All of above.
13	Which one of the following particles has amass 1/1836 time, that of hydrogen?	A. Neutron. B. Proton. C. Electron. D. Positron.
14	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
15	Lower carboxylic acids are soluble in water due to	A. Low molecular weight B. Hydrogen bonding C. Dissociation into ions

		D. Easy hydrolysis
16	The formation of compounds like PF ₅ , BCl ₃ , SF ₆ indicates that	A. These halides are ionic B. These halides are covalent C. They are Lewis acids D. Octet rule not obeyed so the rule is not universal
17	Borax is a common mineral of alkali metal sodium. Its formula is	A. Na ₂ B ₄ O ₇ B. Na ₂ ,B ₄ O ₇ 10H ₂ O C. Na ₂ B ₃ O ₆ . 10H ₂ B Sub>3O ₆ . 10H ₂ O D. Na ₂ B ₄ O ₇ . 5H ₂ O
18	Which of the following (1 M) conducts more electricity?	A. Sulphuric acid B. Boric acid C. Nitric acid D. Phosphorus acid
19	All are ortho & Para directing except	A. X B. OH C. NR ₃ D. NH ₂
20	Which of the following has unchanged valency?	A. H B. Na C. Fe D. Oxygen